

REMARKS

Applicants have studied the Office Action dated March 3, 2005 and have made amendments to the claims. No new matter has been added by these amendments. It is submitted that the application, as amended, is in condition for allowance. By virtue of this amendment, claims 1-26 are pending. Claims 27-32 have been canceled without prejudice. Claims 1-3, 5, 8-10, 12, 15-18, 20, and 24 have been amended. Reconsideration and allowance of the pending claims in view of the above amendments and the following remarks are respectfully requested.

Allowable Subject Matter

Applicants wish to thank Examiner Malzahn for indicating that claims 1-26 would be allowable if rewritten to overcome the rejection under 35 U.S.C. §112. Applicants have amended the claims in light of the comments of the Examiner. Applicants respectfully assert that the rejections under 35 U.S.C. §112 have been overcome, and thus claims 1-26 are now in condition for allowance.

Rejection under 35 U.S.C. §112, Second Paragraph

The Examiner rejected claims 1-26 under 35 U.S.C. § 112, second paragraph, as being indefinite.

With regard to claim 1, Applicants have amended claim 1 in accordance with the Examiner's comments. Applicants respectfully assert that claim 1, as amended, overcomes the rejection under 35 U.S.C. § 112, second paragraph. Applicants have similarly amended claims 5, 8, 12, 15 and 18, and respectfully assert that the rejection of claims 1, 5, 8, 12, 15 and 18 under 35 U.S.C. § 112, second paragraph, has been overcome.

With regard to claims 2, 9 and 16, Applicants have amended these claims to provide proper antecedent bases, and therefore provide a proper relationship to elements of the independent claims from which they depend.

With regard to claims 3, 10 and 17, Applicants have amended these claims to provide proper antecedent bases, and therefore provide a proper relationship to elements of the independent claims from which they depend.

Applicants have amended claims 20 and 24 to address the Examiner's comments concerning those claims. With regard to the phrase of the last line of claim 20, the Examiner states that the phrase "the multiplication result from triangular basis" lacks clear antecedent basis. See Office Action dated March 3, 2005, page 2, bottom. Applicants have amended this phrase to state "converting the multiplication result from the triangular basis to the initial basis." Applicants note that the Examiner mistakenly recited "the multiplication result form" which should be "the multiplication result from". The term "the multiplication result" has antecedent basis at the end of the immediately preceding limitation.

Applicants have further amended the two "switching bit ordering" steps of claim 20, and the corresponding limitations of claim 24, to more clearly recite that "a most significant bit ... is placed into a least significant bit position regardless of the number of bits in the plurality of data bits . . . , successively less significant bits are placed into successively more significant bit positions relative to the least significant bit position, and unused bits are set to zero."

Applicants have amended the claims in light of the comments of the Examiner. It is submitted that claims 1-26 now fulfill all the requirements of 35 U.S.C. § 112. Therefore, Applicants respectfully assert that the Examiner's rejection of claims 1-26 under 35 U.S.C. §112, second paragraph, should be withdrawn and claims 1-26 should be allowed.

Applicants have examined the references cited by the Examiner as pertinent but not relied upon. It is believed that these references neither disclose nor make obvious the invention recited in the present claims. In view of the foregoing, it is respectfully

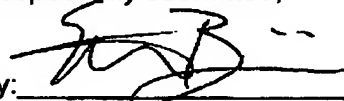
submitted that the application and the claims are in condition for allowance.
Reexamination and reconsideration of the application, as amended, are requested.

If for any reason the Examiner finds the application other than in condition for allowance, or the Examiner believes that there are any informalities which can be corrected by Examiner's amendment, a telephone call to the undersigned at (561) 989-9811 is respectfully solicited.

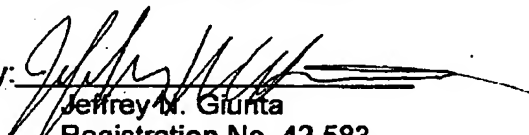
No amendment made was related to the statutory requirements of patentability unless expressly stated herein. No amendment made was for the purpose of narrowing the scope of any claim.

Respectfully submitted,

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